AC600 Wireless-AC Network Adapter - 802.11ac, PCI Express

StarTech ID: PEX433WAC11

Upgrade your desktop PC or server to powerful 802.11ac wireless networking. This AC600 network card fits easily into a PCI Express expansion slot to give you dual-band wireless-AC connectivity with speeds up to 433 Mbps.

Add dual-band Wireless-AC connectivity

This wireless-AC adapter lets you add dual-band wireless-AC connectivity to a desktop computer through a PCIe slot. Ideal for your office or home environment, the PCIe Wi-Fi® adapter provides a wireless range of up to 100 feet (30m), when paired with an 802.11ac router. It's a cost-effective solution for adding or upgrading to the latest 802.11ac dual-band wireless networking.

The Wi-Fi adapter supports data rates of up to 433 Mbps at 5 GHz, and 150 Mbps at 2.4 GHz. Two detachable external antennas enhance reception and provide more reliable connections.

Versatile use

The versatile USB Wi-Fi adapter gives you dual-band 2.4/5 GHz support, so you can connect easily to the less congested 5GHz wireless network to enjoy lag-free HD video streaming, online gaming, file transfers or other bandwidth-intensive applications. The WMM Quality of Service (QoS) feature quickly prioritizes video streams, Internet calls and online gaming.

This network adapter has a 1T1R (1 transmitter, 1 receiver) antenna design and features two detachable external antennas (dual-band 3dBi). To integrate easily with all of your networking devices, the wireless network adapter is backward compatible with 802.11a/b/g/n networks.

Quick and easy installation

The network card is easy to install in the PCI Express slot on your standard or small form-factor computer. It

comes equipped with a standard profile bracket, and includes a low-profile bracket that you can swap in to mount the card in smaller or space-constrained systems.

The PEX433WAC11 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Replace or upgrade the wireless capabilities of your desktop computer or server, at home or in the office
- Connect to the less congested 5 GHz Wi-Fi band to avoid interference from common wireless devices such as cordless phones
- Get faster wireless performance for smoother online conferencing, quicker file transfers, and lag-free HD video streaming or gaming

Features

- Wireless AC600 compatible with speeds up 433Mbps (5GHz) and up to 150Mbps (2.4GHz)
- Dual band 2.4 / 5GHz support (802.11ac is 5 GHz only)
- Compliant with 802.11 ac/a/b/g/n networks
- Single antenna (1T1R) for transmitting and receiving
- Dual external (detachable) dual-band 3dBi antennas
- PCI Express host interface
- Wireless security with 64/128bit WEP, WPA, WPA2 and TKIP/AES
- Supports WMM Quality of Service and WMM-PS
- Supports Soft AP mode
- Configured with standard profile bracket, low profile and half-height bracket included

Technical Specifications

Warranty	2 Years
Antenna Configuration	1T1R
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Realtek 8821AE
Industry Standards	IEEE 802.11ac, IEEE 802.11n, IEEE 802.11g, IEEE 802.11a, IEEE 802.11b
Interface	Wireless Ethernet
Auto MDIX	No
Bandwidth	20/40/80 MHz
Frequency	2.4G/5.8G-Dual band
Frequency Range	2.412~2.462 GHz, 5.180~5.825 GHz
Full Duplex Support	No
Max Distance	30 m / 100 ft
Maximum Data Transfer Rate	433 Mbps (5 GHz) 150 Mbps (2.4 GHz)
Connector Type(s)	1 - PCI Express x1
Connector Type(s)	2 - RP-SMA (Coax; Reverse Polarity SubMiniature A)
OS Compatibility	Windows® 10 (32/64bit), 8 / 8.1 (32/64), 7 (32/64), XP(32/64) Windows Server® 2012, 2008 R2,
System and Cable Requirements	Available PCI express expansion slot
LED Indicators	1 - Link/Activity
Humidity	0% ~ 90% RH
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	10°C to 70°C (50°F to 158°F)
Product Height	22 mm [0.9 in]
Product Length	121 mm [4.8 in]
Product Weight	48 g [1.7 oz]
Product Width	97 mm [3.8 in]
Shipping (Package) Weight	170 g [6 oz]
Included in Package	1 - PCI Express AC600 Wireless-AC network adapter
Included in Package	1 - driver CD
Included in Package	1 - low profile bracket
Included in Package	1 - quick start guide

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